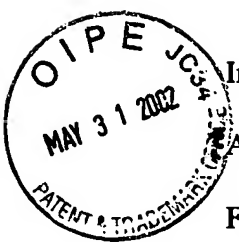


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In re application of Tsang et al.

Application No. 10/048,146

Filed: January 25, 2002

For: METHODS AND COMPOSITIONS FOR  
DETECTING LARVAL TAENIA SOLIUM

Date: April 23, 2002

**SUBSTITUTE POWER OF ATTORNEY  
AND  
CHANGE OF CORRESPONDENCE ADDRESS**

Dear Sir:

The assignee of record, the Government of the United States of America, as Represented by the Secretary, Department of Health and Human Services (copy of Assignments attached) hereby revokes all former Powers of Attorney and appoints as its representatives to conduct all business in the Patent and Trademark Office connected therewith the attorneys and agents identified as Customer No. 24197



**24197**

all of the law firm of Klarquist Sparkman, LLP, 121 SW Salmon Street, Suite 1600, Portland, Oregon 97204; and grants an Associate Power of Attorney to:

Andrew Watkins, Reg. No. 38,653; Russ Metler, Reg. No. 45,365; and Jacqueline Quay, Reg. No. 47,011.

all of the Centers for Disease Control and Prevention, Technology Transfer Office, 1600 Clifton Road NE, Atlanta, GA 30333.

Please address all correspondence to Sheree Lynn Rybak, Ph.D., at:

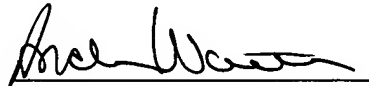
**KLARQUIST SPARKMAN, LLP**  
One World Trade Center, Suite 1600  
121 SW Salmon Street  
Portland, OR 97204-2988  
Telephone: 503-226-7391  
Fax: 503-228-9446

The Assignment referred to in this Substitute Power of Attorney has been reviewed by the undersigned. The undersigned certifies that to the best of the undersigned's knowledge and belief, title is in the assignee.

The Centers for Disease Control and Prevention Technology Transfer Office has been duly delegated responsibility for such patent matters under the authority of the memorandum dated January 31, 1997, from Donna E. Shalala, the Secretary of the Department of Health and Human Services, delegating the authority to the Heads of the Public Health Service Operating Divisions, as well as a memorandum dated October 12, 2000, from Jeffrey P. Koplan, M.D., M.P.H., the Director of the Centers for Disease Control and Prevention (who is a Head of a Public Health Service Operating Division), delegating authority to sign this Power of Attorney to the Associate Director for Science and the Director of the Technology Transfer Office of the Centers for Disease Control and Prevention. The undersigned is authorized to exercise such authority in this matter.

Executed on April 30, 2002, at Atlanta, Georgia.

UNITED STATES DEPARTMENT OF  
HEALTH AND HUMAN SERVICES



Andrew Watkins  
Director, Technology Transfer Office  
Centers for Disease Control and Prevention  
(CDC)  
1600 Clifton Road NE (E67)  
Atlanta, GA 30333  
(404) 639-6270

## ASSIGNMENT

WHEREAS, we, Victor C.W. Tsang, of 2595 Oak Crossing Drive, Decatur, GA 30033, a citizen of United States of America; Ryan M. Greene, of 1 Sycamore Station, Decatur, GA 30030, a citizen of United States of America, Patricia P. Wilkins, of 5608 Hidden Harbor Drive, Gainesville, GA 30504, a citizen of United States of America, and Kathy Hancock, of 1488 N. Amanda Circle, Atlanta, GA 30329, a citizen of United States of America, employees of the Department of Health and Human Services at the time the invention was made, have invented METHODS AND COMPOSITIONS FOR DETECTING LARVAL TAENIA SOLIUM for which the following patent applications have been filed:

U.S. Provisional Patent Application No. 60/147,318, filed on August 5, 1999;  
PCT Application No. PCT/US00/21173, filed on August 3, 2000; and  
U.S. Application filed herewith;

All three of which applications are collectively referred to herein as "the patent applications."

WHEREAS, the conditions under which said invention was made are such as to entitle the Government of the United States of America under Paragraph 1(a) of Executive order 10096, to the entire right, title, and interest herein, both domestic and foreign; and

WHEREAS, the Government of the United States of America is desirous of acquiring all domestic and foreign right, title, and interest in the aforesaid invention described in the aforesaid application for Letters Patent of the United States of America; and

NOW, THEREFORE, to all whom it may concern, be it known for and in consideration of the premises and other valuable considerations, we the undersigned, have sold, assigned, and transferred and by these presents do sell, assign, and transfer unto The Government of the United States of America as represented by the Secretary of the Department of Health and Human Services, Centers for Disease Control and Prevention (hereinafter THE GOVERNMENT), and their successors, the full and exclusive right, title, and interest throughout the United States of America, its territories and dependencies, and within each and every foreign country in which THE GOVERNMENT elects to file patent applications on the invention described in the aforesaid patent applications, all rights in the invention and the patent applications, and all Letters Patents and Registrations which may be granted on the same in the United States of America and all countries throughout the world, and to claim the priority from the applications as provided by United States law and the Paris Convention, or of any divisional, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

AND, we hereby authorize and request the Commissioner for Patents to issue said Letters Patent to THE GOVERNMENT as an assignee of the entire right, title, and interest in and to the same throughout the United States of America, its territories and dependencies, and within each and every foreign country in which THE GOVERNMENT elects to file, for the sole use for the full term or terms for which said Letters Patent and Registrations may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof which may be granted as fully and entirely as the same would have been held by us, had this assignment not been made;

AND, we hereby warrant that there are no outstanding assignments, grants, liens, encumbrances, or agreements either written, oral, or implied with respect to the aforesaid application for Letters Patent which will impair, diminish, limit, or abridge the interest herein conveyed at the time of the execution of this instrument by us;

AND, we hereby agree to execute any and all applications for Letters Patent in the United States of America and foreign countries, and to furnish and deliver to the Secretary, Department of Health and Human Services, upon request, all data and documents, and to execute any papers which may be necessary for the prosecution of any application or applications of Letters Patent or for THE GOVERNMENT to exercise its rights granted hereunder, including communicating to THE GOVERNMENT, its representatives or agents,

any facts relating to said invention, including evidence for interference purposes, or for other proceedings, whenever requested, to testify in any interference or other proceedings, whenever requested, and to execute and deliver on request all lawful papers required to make any of the foregoing provisions effective, and likewise make these provisions binding upon our heirs, legal representatives, administrators and assigns, and we shall assist THE GOVERNMENT in every way as may be requested in protecting said invention, provided that any expense of extending such assistance shall be paid by THE GOVERNMENT.

We hereby grant the law firm of Klarquist Sparkman, LLP, the power to insert on this Assignment any further information which may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: Jan 16, 2002

Victor C.W. Tsang  
Victor C.W. Tsang

STATE OF GEORGIA )  
 ) ss.  
COUNTY OF WINNIE T T )

This 16<sup>th</sup> day of January, 2002, before me personally came the above-named Victor C.W. Tsang, who executed the foregoing Assignment in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

[SEAL]



Elizabeth N. Reese  
Notary Public for Georgia  
My commission expires: 10/23/2005

Dated: \_\_\_\_\_, 2002

\_\_\_\_\_  
Ryan M. Greene

STATE OF GEORGIA )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

This \_\_\_\_ day of \_\_\_\_\_, 2002, before me personally came the above-named Ryan M. Greene, who executed the foregoing Assignment in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

[SEAL]

\_\_\_\_\_  
Notary Public for  
My commission expires:

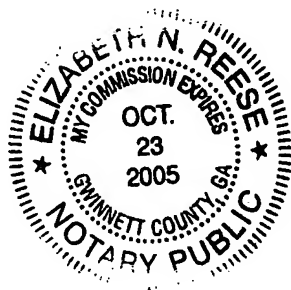
Dated: January 16, 2002

Patricia P. Wilkins  
Patricia P. Wilkins

STATE OF GEORGIA )  
 ) ss.  
COUNTY OF WINNETT )

This 16<sup>th</sup> day of January, 2002, before me personally came the above-named Patricia P. Wilkins, who executed the foregoing Assignment in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

[SEAL]



Elizabeth N. Reese  
Notary Public for  
My commission expires: 10/23/2005

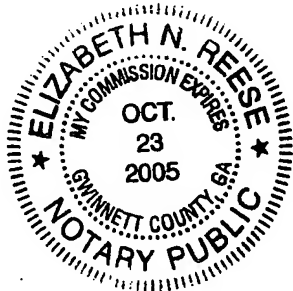
Dated: January 16, 2002

Kathy Hancock  
Kathy Hancock

STATE OF GEORGIA )  
 ) ss.  
COUNTY OF WINNETT )

This 16<sup>th</sup> day of January, 2002, before me personally came the above-named Kathy Hancock, who executed the foregoing Assignment in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

[SEAL]



Elizabeth N. Reese  
Notary Public for  
My commission expires: 10/23/2005

**ASSIGNMENT**

WHEREAS, we, Victor C.W. Tsang, of 2595 Oak Crossing Drive, Decatur, GA 30033, a citizen of United States of America; Ryan M. Greene, of 1 Sycamore Station, Decatur, GA 30030, a citizen of United States of America, Patricia P. Wilkins, of 5608 Hidden Harbor Drive, Gainesville, GA 30504, a citizen of United States of America, and Kathy Hancock, of 1488 N. Amanda Circle, Atlanta, GA 30329, a citizen of United States of America, employees of the Department of Health and Human Services at the time the invention was made, have invented **METHODS AND COMPOSITIONS FOR DETECTING LARVAL TAENIA SOLIUM** for which the following patent applications have been filed:

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PCT Application No. PCT/US00/21173, filed on August 3, 2000; and  
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WHEREAS, the conditions under which said invention was made are such as to entitle the Government of the United States of America under Paragraph 1(a) of Executive order 10096, to the entire right, title, and interest herein, both domestic and foreign; and

WHEREAS, the Government of the United States of America is desirous of acquiring all domestic and foreign right, title, and interest in the aforesaid invention described in the aforesaid application for Letters Patent of the United States of America; and

NOW, THEREFORE, to all whom it may concern, be it known for and in consideration of the premises and other valuable considerations, we the undersigned, have sold, assigned, and transferred and by these presents do sell, assign, and transfer unto The Government of the United States of America as represented by the Secretary of the Department of Health and Human Services, Centers for Disease Control and Prevention (hereinafter **THE GOVERNMENT**), and their successors, the full and exclusive right, title, and interest throughout the United States of America, its territories and dependencies, and within each and every foreign country in which **THE GOVERNMENT** elects to file patent applications on the invention described in the aforesaid patent applications, all rights in the invention and the patent applications, and all Letters Patents and Registrations which may be granted on the same in the United States of America and all countries throughout the world, and to claim the priority from the applications as provided by United States law and the Paris Convention, or of any divisional, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

AND, we hereby authorize and request the Commissioner for Patents to issue said Letters Patent to **THE GOVERNMENT** as an assignee of the entire right, title, and interest in and to the same throughout the United States of America, its territories and dependencies, and within each and every foreign country in which **THE GOVERNMENT** elects to file, for the sole use for the full term or terms for which said Letters Patent and Registrations may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof which may be granted as fully and entirely as the same would have been held by us, had this assignment not been made;

AND, we hereby warrant that there are no outstanding assignments, grants, liens, encumbrances, or agreements either written, oral, or implied with respect to the aforesaid application for Letters Patent which will impair, diminish, limit, or abridge the interest herein conveyed at the time of the execution of this instrument by us;

AND, we hereby agree to execute any and all applications for Letters Patent in the United States of America and foreign countries, and to furnish and deliver to the Secretary, Department of Health and Human Services, upon request, all data and documents, and to execute any papers which may be necessary for the prosecution of any application or applications of Letters Patent or for **THE GOVERNMENT** to exercise its rights granted hereunder, including communicating to **THE GOVERNMENT**, its representatives or agents,

any facts relating to said invention, including evidence for interference purposes, or for other proceedings, whenever requested, to testify ~~any~~ interference or other proceedings, ~~who~~ requested, and to execute and deliver on request all lawful papers required to make any of the foregoing provisions effective, and likewise make these provisions binding upon our heirs, legal representatives, administrators and assigns, and we shall assist THE GOVERNMENT in every way as may be requested in protecting said invention, provided that any expense of extending such assistance shall be paid by THE GOVERNMENT.

We hereby grant the law firm of Klarquist Sparkman, LLP, the power to insert on this Assignment any further information which may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: \_\_\_\_\_, 2002

\_\_\_\_\_  
Victor C.W. Tsang

STATE OF GEORGIA       )  
                                  ) ss.  
COUNTY OF \_\_\_\_\_)

This 17 day of ~~January~~, 2002, before me personally came the above-named Victor C.W. Tsang, who executed the foregoing Assignment in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

\_\_\_\_\_  
Notary Public for Georgia  
My commission expires:

[SEAL]

Dated: JAN 17, 2002

*[Signature]*  
Ryan M. Greene

STATE OF GEORGIA       )  
                                  ) ss.  
COUNTY OF \_\_\_\_\_)

This 17 day of January, 2002, before me personally came the above-named Ryan M. Greene, who executed the foregoing Assignment in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

*[Signature]*  
Notary Public for Texas  
My commission expires: April 11, 2005



Dated: \_\_\_\_\_, 2002

\_\_\_\_\_  
Patricia P. Wilkins

STATE OF GEORGIA       )  
                                  ) ss.  
COUNTY OF               )

This \_\_\_\_ day of \_\_\_\_\_, 2002, before me personally came the above-named Patricia P. Wilkins, who executed the foregoing Assignment in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

\_\_\_\_\_  
Notary Public for  
My commission expires:

[SEAL]

Dated: \_\_\_\_\_, 2002

\_\_\_\_\_  
Kathy Hancock

STATE OF GEORGIA       )  
                                  ) ss.  
COUNTY OF \_\_\_\_\_)

This \_\_\_\_ day of \_\_\_\_\_, 2002, before me personally came the above-named Kathy Hancock, who executed the foregoing Assignment in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

\_\_\_\_\_  
Notary Public for  
My commission expires:

[SEAL]